

IN THE ABSTRACT:

Please enter the attached substitute Abstract of the Disclosure for that originally filed with this application.

ABSTRACT OF THE DISCLOSURE

The present invention is a motor of rotor with built-in permanent magnet, which comprises an annular stator and a rotor. The annular stator has a cylindrical interior into which the rotor is inserted. A space is formed between a circumference surface of cylindrical interior and rotor. Rotor further includes a rotor core, and a plurality of openings are formed surrounding the rotor core. Each opening is with two parallel surfaces, a top surface and a bottom surface, and each of them is a flat plate figure. A suitable distance is between two side surfaces and an outer circumference of the rotor, and the two side surfaces of adjacent openings are spaced by a channel of suitable width. A plurality of permanent magnets are arranged in openings by way of interlaced magnetic poles, and the shape of permanent magnets matches the shape of the opening.